Analyte(s)	Product Type	Technology	Reference
Acetic acid, Lactic, Citric acid		GC, HPLC	AOAC Official Methods of Analysis 968.09, 972.10 (17th Ed); Am.J.Enol.Vitic.54:1,2003; LC-GC 16:12, 1998
Acetic acid, Propylene Glycol, Glycerol, Benzaldehyde	NBA	GC, HPLC	AOAC Official Methods of Analysis 968.09, 972.1 (17th Ed); Am. J. Enol. Vitic. 54:1, 2003; LC-GC 16:12, 1998
Alcohol	Wine, NBA, SDA, Malt Beverages	Distillation, GC	AOAC Official Methods of Analysis 920.57, 920.58, 950.13, 982.10, 984.14 (17th Ed)
Alcohol	Wine, NBA, SDA, Malt Beverages, Distilled Spirits	Distillation, Densitometer	AOAC Official Methods of Analysis 920.47, 942.06, 945.07, 982.10, 983.12 (17th Ed.); ASBC Official Method Beer-4; 27CFR part 30
Aparent Specific Gravity	Wine, NBA, Distilled Spirits	Density Meter	AOAC Official Methods of Analysis 950.28, 982.10 (17th Ed)
Arsenic	Wine	Graphite Furnace AA	At. Spectroscopy, 22 (2), 280-283 (2001)
Asaraone (Beta)	Wine	Gas Chromatography	AOAC Official Methods of Analysis 977.09 (17th Ed)
Aspartame	Distilled Spirits	HPLC	TTB Official Method
Ash	Wine, NBA, Distilled Spirits, Malt Beverages	Muffle Oven	AOAC Official Methods of Analysis 920.54, 920.67, 950.14 (17th Ed); 920.48 (15th Ed); ASBC Official Method Beer-14
Babcock Test	SDA, NBA	Babcock Test	AOAC Official Methods of Analysis 942.08B, 955.17 (17th Ed)
Bitterness	Malt Beverages	Spectrophotometry	AOAC Official Methods of Analysis 970.16 (17th Ed); ASBC Official Method Beer-23A
Cadmium	Wine	Graphite Furnace AA	Micr. Chem. Journal, 56, 221-228 (1997); TTB Official Method
Caffeine	Distilled Spirits	HPLC	JAOAC 72, 614-618 (1989); TTB Official Method
Calories	Malt Beverages		AOAC Official Methods of Analysis 971.10 (17th Ed); ASBC Official Method Beer-33
Caramel	Distilled Spirits	HPLC	JAOAC, 63, 1310-1313 (1980); TTB Official Method
Carbohydrates	Malt Beverages		AOAC Official Methods of Analysis 979.06 (17th Ed); ASBC Official Method Beer-6
Carbon dioxide	Wine	Enzymatic	AOAC Official Methods of Analysis 964.09 (17th Ed)
Carbon dioxide	Wine	Titrimetric	AOAC Official Methods of Analysis 988.07 (17th Ed)

Analyte(s)	Product Type	Technology	Reference
• • • • • • • • • • • • • • • • • • • •	Wine, Distilled	<u> </u>	
	Spirits, Malt		
Copper	Beverages	Graphite Furnace AA	At. Spectroscopy, 18 (5), 156-159 (1997); TTB Official Method
	Wine, Distilled		
Coumarin	Spirits	Gas Chromatography	AOAC Official Methods of Analysis 976.12 (15th Ed)
Cyanide/Ferrocyanide	Wine	Ion Chromatography	TTB Official Method
			AOAC Official Methods of Analysis 920.49 (17th Ed); ASBC
Decarbonation	Malt Beverages		Official Method Beer-1
Ethanol for Solid			AOAC Official Methods of Analysis 920.57, 920.58, 950.13,
Products	NBA	Distillation, GC	982.10 (17th Ed)
	Wines, Distilled		
Ethyl Carbamate	Spirits	GC	AOAC Official Methods of Analysis 993.04, 994.07 (17th Ed)
5 .1.0.1	Wines, Distilled	Solid Phase Extraction/Multi-	
Ethyl Carbamate	Spirits	dimensional GC	TTB Official Method
Extract	Wine	Density Meter	AOAC Official Methods of Analysis 920.57, 920.62 (17th Ed)
			AOAC Official Methods of Analysis 990.17 (17th Ed); ASBC
Fill	Malt Beverages	Gravimetric	Official Method Fills-1
	Wine, Distilled		
Fill	Spirits	Density Meter, Analytical banance	TTB Official Method
	Wine, Distilled		
Fill	Spirits	Volumetric	ATF Gauging Manual; TTB Official Method
Free Sulfur Dioxide	Wine	Aeration-oxidation	Am.J.Enol.Vitic., 29:161,1978; TTB Official Method
	Wine, NBA, Malt		
Fusel Oils (Higher	Beverages,		AOAC Official Methods of Analysis 968.09, 972.10 (17th Ed);
Alcohols) & Ethyl Acetate		Gas Chromatography	JAOAC 64, 1981, 186-190
	Wine, Malt		
	Beverages,		
Lead	Distilled Spirits	Graphite-Furnace AAS	TTB Official Method
	Wine, NBA,		
Methanol	Distilled Spirits	Gas Chromatography	AOAC Official Methods of Analysis 972.11(17th Ed)
	NBA, Distilled		
Obscuration	Spirits	Evaporative method	JAOAC, 69:4 1986 pp. 709-7111
	Wine, Distilled		
Particulate Matter	Spirits	binocular microscope/ membrane filter	ATF Industry circular 72-31

Analyte(s)	Product Type	Technology	Reference
pH	Wine, NBA, Distilled Spirits	pH Meter	AOAC Official Methods of Analysis 960.19 (17th Ed)
Potassium/KCI	Wine, Malt Beverages	AA	Methods for Analysis of Musts & Wines 1980; TTB Official Method
Propylene Glycol Protein	Distilled Spirits Malt Beverages	Gas Chromatography Kjeldahl	JAOAC 58, No.6, 1975; TTB Official Method AOAC Official Methods of Analysis 920.53; ASBC Official Method Beer-11A
Real Extract	Malt Beverages	Evaporative method	AOAC Official Methods of Analysis 945.09 (17th Ed)
Residual Sugars	Wine	HPLC	TTB Official Method
Saccharin	Distilled Spirits	HPLC	TTB Official Method
Selenium	Wine	Graphite Furnace AA	Am. J. Enol. Vitic., Vol. 49, No.2, 115-118 (1998); TTB Official Method
Sodium/Sodium Chloride		AA	Methods for Analysis of Musts & Wines 1980; TTB Official Method AOAC Official Methods of Analysis 920.47, 940.09, 950.27 (17th
Solids	NBA, Distilled Spirits	Evaporative method	Ed)
Sorbic Acid/Benzoic Acid	Wine, NBA, Distilled Spirits	HPLC	AOAC Official Methods of Analysis 909.02, 967.15, 979.08, 983.16, 990.25, 994.11 (17th Ed); Hewlett-Packard Application Note AN232-4
Specific Gravity	Malt Beverages	Instrumental	AOAC Official Methods of Analysis 988.06; ASBC Official Method Beer-2
Sugars	NBA	HPLC	TTB Official Method
Synthetic Color	Distilled Spirits, NBA	HPLC	AOAC Official Methods of Analysis 980.24 (17th Ed),
Synthetic Color	Wines, Distilled Spirits, Malt Beverages, NBA	Solid Phase Extraction/Thin-Layer Chromatography	JAOAC, 77:5, 1994 pp. 1335-37
Total Acids	Wine, NBA, Distilled Spirits, Malt Beverages	Auto Titrator	AOAC Official Methods of Analysis 945.08, 950.15, 962.12 (17th Ed)

Analyte(s)	Product Type	Technology	Reference
			AOAC Official Methods of Analysis 950.07B; ASBC Official
Total Acids	Malt Beverages	Potentiometric	Method Beer-8A
Total Color	Distilled Spirits	Spectrophotometry	AOAC Official Methods of Analysis 956.02 (17th Ed)
	Wine, Malt		
Total Sulfur Dioxide	Beverages	Aeration-oxidation	Am.J.Enol.Vitic., 29, p.161,1978; TTB Official Method
			AOAC Official Methods of Analysis 909.02, 945.98, 964.10,
Vanillin, Ethyl Vanillin,	NBA, Distilled		966.12, 966.13, 967.15, 983.16 (17th Ed); Hewlett-Packard
Coumarin, Heliotropin	Spirits	HPLC	Application Note AN232-4
Visual Examination	Wine, NBA	Physical Examination	AOAC Official Methods of Analysis 930.19, 950.12 (17th Ed)
			AOAC Official Methods of Analysis 964.08 (17th Ed); Astoria
Volatile acids	Wine	Cash Still, Segmented Flow	Pacific A-470; TTB Official Method